Service Manual

Panasonic®
RADIO
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8 TRACK FM/AM/FM STEREO PORTABLE RADIO

MODEL RF-7100C

* This service manual includes only the changes of the RF-7100 service manual (ORDER NO. RD-1027) except for replacement parts list.
* This manual should be filed with the service manual for model RF-7100 (ORDER NO. RD-1027).
* When servicing model RF-7100C, this service manual and the RF-7100 service manual should be used together.

■ REPLACEMENT PARTS LIST (MODEL RF-7100C)

NOTES: 1. Part numbers are indicated on most mechanical parts. Please use this part number for parts orders.
2. Ⓝ indicates the New Parts.
3. Ⓚ mark indicates 18 serrations parts.

Ref.No.	Part No.	Description	Per Set (Pcs.)	Remarks
INTEGRATED CIRCUIT, TRANSISTORS AND DIODES				
IC	AN253	FM-AM IF Amplifier	1	
TR1	2SC921	FM RF Amplifier	1	
TR2	2SC1359	FM Converter & AM Oscillator	1	
TR3	2SC829	FM IF Amplifier & AM Mixer	1	
TR4,7,18	2SC828	Distributor, L-R Amplifier, Regulator	3	
TR5	2SA666	38kHz Amplifier	1	
TR6	2SC828	Eye Switching	1	
TR8,9	2SC900	Equalizer Amplifier	2	
TR10,11	2SC945	Pre Amplifier	2	
TR12,13,16,17	2SC828	Matrix Amplifier, 2nd AF Amplifier	4	
TR14,15	2SC945	1st AF Amplifier	2	
TR19,22	2SD336	Power Amplifier	2	
TR20,21	2SA707	Power Amplifier	2	
D2,4	0A90	FM AGC, AM Detector & AGC	2	
D5,6,8,9,10,11	2-0A90	FM Detector, Doubler, L-R Detector	3 pair	
D7	1S1211	Operation Compensator	1	
D12,13	RVDVD1210L	Operation Compensator	2	
D14	RVDEQA0106S	Regulator	1	
VARIATITE AND RECTIFIER				
Va	EYV320D1R2J3	Stabilizer	1	
Se	RVD10DC1	Rectifier	1	
CERAMIC FILTER, COILS AND TRANSFORMERS				
CF	RVFCF10S12CB	Ceramic Filter	1	
L1,3	RLE56	FM Detector & Oscillator	1	Ⓝ
L2	RLQZ68G-1-Y	Choke Coil	1	
L4	RL02B90-M	AM Oscillator Coil	1	
L5	RLF2D94	AM Antenna Coil	1	
L6,7,9	RLM1X1-Y	MPX Coil	3	
L8	RLT6E3-V	Choke Transformer	1	
T1	RLI4B153-M	FM 1st IF Transformer	1	
T2	RLI7W105Q-T	AM 1st IF Transformer	1	
T3	RLI4B251	FM 2nd IF Transformer	1	
T4	RLI2B450Q-M	AM 2nd IF Transformer	1	
T5	RLI4B510	FM 3rd IF Transformer (Primary)	1	
T6	RLI4B552	FM 3rd IF Transformer (Secondary)	1	
T7	RLM1C20	MPX Coil	1	
T8	RLM1C5-K	MPX Coil	1	
T9	RLT5K79-W	Power Transformer	1	Ⓝ
VARIABLE RESISTORS				
R75,76	EVIR1AK15D14	10KΩ (D), Volume Control	1	Ⓝ Ⓚ
R28	EVLT0AA00B53	50KΩ (B), Separation Control	1	
VARIABLE CAPACITOR				
C6,11,14,15	RCV2-22124L	Tuning Gang, W/Trimmer (C5,12,13,16)	1	
COMPONENT COMBINATIONS				
Z1	RXABPF1080C	Coils & Capacitors	1	
Z2	EXA5DL04C	330PF×3, 4.7KΩ×2	1	
Z3	RXAF103P22HD	0.01μF×2	1	
SPEAKERS				
SP1,2	EAS10P05SK	4" PM Dynamic Speaker, Imp. 8Ω	2	Ⓝ
SWITCHES				
S1-1～S1-4	RSH67A-M	Band Selector Switch	1	Ⓝ
S2-1～S2-2	RST30AS-H	Mode Switch	1	Ⓝ
S3-1～S3-5	RST29AS-H	Selector Switch	1	Ⓝ
S4-1～S4-2	RST31AS-H	Tone Switch	1	Ⓝ
S5	RSH66A-H	Program Light Switch	1	Ⓝ

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Ref.No.	Part No.	Description	Per Set (Pcs.)	Remarks
		CABINET		
CA1	RKM9082A	Cabinet Body Only	1	Ⓝ
CA2	RJC111A	Terminal, Battery ⊕ Side	1	Ⓝ
CA3	RJS61A-X	Connecting Socket (Battery ⊕ Side, EXT. Power Source Jack, Stereo Light)	4	Ⓝ
CA4	RJC505A	Spring (Large), Battery ⊖ Side	1	Ⓝ
CA5	RJC506A	Spring (Small), Battery ⊖ Side	1	Ⓝ
CA6	RJC112A	Terminal, Battery ⊕ ⊖ Side	1	Ⓝ
CA7	RJS17A-X	Connecting Socket (Battery (Large), ⊖ Side, Terminal (RJT352C))	2	
	RJP44	Connecting Plug (Terminal, Whip Antenna,)	1	
CA8	RKD247A	Scale (Small), Dial	1	Ⓝ
CA9	RKD248A	Scale (Large), Dial	1	Ⓝ
CA10	RKH58A	Handle	1	Ⓝ
CA11	RKT63AS	Bracket, Handle	2	Ⓝ
CA12	RKT67A	Plastic Fitting, Handle	2	Ⓝ
CA13	RNW1020	Washer (Nylon), Handle M'tg	2	
CA14	XSB3+14BZS	Screw, Handle M'tg	2	Ⓝ
CA15	RGK415A	Indicating Plate (SELECTOR, MODE, TONE etc. Mark)	1	Ⓝ
CA16	RGK416A	Indicating Plate (IC, AC-BATTERY etc. Mark)	1	Ⓝ
CA17	RGL26A	Panel Light, Program Indicator	1	Ⓝ
CA18	RGP225A	Panel, Dial	1	Ⓝ
CA19	RGX479AS	Ornament, Dial Panel	1	Ⓝ
CA20	XSN3D8RS	Screw, Ornament (RGX479AS) M'tg	2	
CA21	RBC53A	Button, Light	1	Ⓝ
CA22	RBC54A	Button, Program	1	Ⓝ
CA23	RUS154A	Spring, Button	2	Ⓝ
CA24	RHS12A	Tape, Battery	1	Ⓝ
CA25	RJJ29C-H	Jack, EXT. Power Source	1	
CA26	RHR949A	Lever, Button	2	Ⓝ
CA27	RBH7A	Cover, Cassette Tape	1	Ⓝ
CA28	XTW3D8L	Screw, Cassette Tape Cover M'tg	2	
CA29	RKK70A	Cover, Battery Compartment	1	Ⓝ
CA30	RBN210AK	Knob, Tuning	1	Ⓝ ❽
CA31	RBN211AK	Knob, Volume	1	Ⓝ ❽
CA32	RUV287A	Cover, PT Lead Wire	1	Ⓝ
CA33	XTW3D10E	Screw, PT Lead Wire Cover M'tg	1	
CA34	RNW1020	Washer (Nylon), Handle M'tg	2	Ⓝ
	RYF1F7100M	Cabinet Front Cover Assembly	1	Ⓝ
CA35	RKF177AS	Cabinet Front Cover Only — Not Available Order RYF1F7100M	(1)	
CA36	RGS32A	Baffle, Speaker	(2)	
CA37	RGX141A	Ornament, Stereo Light	1	
CA38	SGL25	Panel Light, Stereo	1	
CA39	RGX467C	Ornament, HEADPHONE, STEREO Mark	1	Ⓝ
CA40	RHE7007C	Bracket, Panel Light	1	
CA41	RGB125A	Badge, Panasonic Mark	1	
CA42	RGK425A	Indicating Plate, STEREO SPACER Mark	1	Ⓝ
CA43	SNE439	Nut, Headphone Jack M'tg	1	
CA44	XAMR28K300	Stereo Light, 7.5V 75mA	1	
CA45	RMS12B	Bracket, Speaker	6	
CA46	RJJ79-2	Jack, Headphone	1	Ⓝ
	RYF2F7100M	Cabinet Back Cover Assembly	1	Ⓝ
CA47	RKF9010B	Cabinet Back Cover Only — Not Available Order RYF2F7100M	(1)	
CA48	RHS386A	Baffle	(1)	
CA49	XEARCR252DAS	Whip Antenna	1	
CA50	RJS60A	Terminal, Whip Antenna	1	Ⓝ
CA51	RMA100A	Bracket (Metal), Whip Antenna	1	Ⓝ
CA52	XYN3DC6S	Screw, Whip Antenna M'tg	1	
CA53	XTN3D8B	Screw, Bracket (RMA100A) M'tg	1	
CA54	RMA5046A	Bracket (Plastic), Whip Antenna	1	Ⓝ
CA55	XSB3+90UWS	Screw, Cabinet Cover M'tg	4	Ⓝ
CA56	XTN3D10B	Screw, Speaker Bracket M'tg	6	
CA57	RJS63A-U	Connecting Socket (3 Pin)	1	Ⓝ
	XYN3DC8RS	Screw, Cabinet front Cover M'tg	2	
	XNT3	Washer, Cabinet front Cover M'tg	2	
	RGT342B	Name Plate	1	Ⓝ
	RUL289AS	Bracket, Headphone Jack	1	Ⓝ
	XYN3DC8RS	Red Screw, Bracket M'tg.	1	
		CHASSIS		
CH1	XAMR36K300	Program Indicator Light, 7.5V 75mA	4	Ⓝ
CH3	RJR602-1	Lead Holder (7 Terminal)	1	
CH4	RJP80Z	Connecting Pin (5 Pin)	1	Ⓝ
CH5	RJP78Z	Connecting Pin (3 Pin) (Headphone Jack, Tape Deck)	3	Ⓝ
CH6	RUV283A	Cover, Selector, Mode, Tone, Band Switch	4	Ⓝ
CH7	RMC208A	Shield Cover Tuning Gang	1	Ⓝ
CH8	RUC66AS	Bracket, Chassis	1	Ⓝ
CH9	RUL237A	Bracket, Tape Deck (Left Side)	1	Ⓝ
CH10	RUL238A	Bracket, Tape Deck (Right Side)	1	Ⓝ
CH11	RHG204A	Rubber, Program Indicator M'tg	1	Ⓝ
	RXEF7100M	Plastic Chassis Assembly	1	Ⓝ
CH12	RUA164A	Plastic Chassis Only — Not Available Order RXEF7100M	(1)	
CH13	RDY15B	Shaft, Pulley	(2)	
CH14	RDY17A	Shaft, Pulley	(3)	
CH15	RNW150-2	Washer, Pulley M'tg	5	
CH16	RDD604A	Drum, Dial	1	Ⓝ
CH17	RDZ05A	Cord, Dial (500m)	1 Roll	Ⓝ
CH18	RDS4172A	Spring, Dial Drum	1	Ⓝ
CH19	RDT9050AK	Shaft, Tuning	1	❽
CH20	XUCR5FY	E Ring, Tuning Shaft M'tg	1	
CH21	RDR20	Pulley, Dial	5	
CH22	RUB9009A	Lever, Band Selector	1	Ⓝ
CH23	XYN3DF8S	Screw, Band Selector Lever M'tg	2	
CH24	RDA47A	Guide, Dial Pointer	1	Ⓝ
CH25	RDP647A	Pointer, Dial	1	Ⓝ
CH26	XTN3D10BR	Red Screw, P.C.B & Chassis M'tg	8	
CH27	XTN3D25BR	Red Screw, Chassis M'tg	1	
CH28	XTN3D10B	Screw, Tape Deck M'tg	2	
CH29	XTW3D8L	Screw, Tape Deck M'tg	2	
CH30	RUP393A	P.C.B Power Source Section	1	Ⓝ
CH31	RJT352C	Terminal (Battery (Large), ⊖ Side, P.C.B (RUP365A))	2	
CH32	XWV8	Washer, Volume Control M'tg	1	
	XYN26DC5	Screw, Tuning Gang M'tg	2	
CH33	RJP44C	Connecting Plug (EXT. Power Source Jack, Stereo Light, P.C.B (RUP393A))	4	
CH34	RJS62A-U	Connecting Socket (5 Pin)	1	Ⓝ
CH35	RJS64A-U	Connecting Socket (3 Pin)	1	Ⓝ
CH36	RJP44	Connecting Plug (Whip Antenna)	1	
		ACCESSORIES		
A1	RJA22A	AC Cord, EXT. Power Source	1	
A2	UM1DE (P)	Battery	6	
A3	QFQ1025	Head Cleaner	1	
		PACKING		
P1	RPH193B	Soft Cover	1	Ⓝ
	RPN9105A	Pad (Complete)	1	Ⓝ
P2	RPN1458A	Pad, Left Side — Not Available Order RPN9105A	(1)	
P3	RPN1459A	Pad, Right Side — Not Available Order RPN9105A	(1)	
P4	RPN1460A	Pad	2	Ⓝ
P5	RPG1158Z	Packing Case	1	Ⓝ
P6	RPE150A	Accessory Box	1	Ⓝ
P7	RQX5566A	Instruction Book (English)	1	Ⓝ
	RQX5606Z	Instruction Book (French)	1	Ⓝ
	RPP50B	Polyethylene Cover	1	Ⓝ
		TAPE DECK		
	RJD22B	Tape Deck Assembly	1	Ⓝ
1	RMQ415A-A	Belt, Motor	1	Ⓝ
2	RMQ416A-A	Flywheel Assembly	1	Ⓝ
3	XUC3FW	E Ring,	4	
4	RMQ394A-A	Washer, Contact Plate M'tg	2	Ⓝ
5	RMQ395A-A	Housing Capstan Assembly	1	Ⓝ
6	RMQ220A-A	Block, Tape	1	
7	XSN3D6S	Screw,	17	
8	RMQ396A-A	Printed Circuit Board, Channel Indicator	1	Ⓝ
9	RMQ397A-A	Solenoid Assembly	1	Ⓝ
10	RMQ214A-A	Spring, Solenoid	1	
11	RJQ11A	Motor	1	Ⓝ
12	RMQ412A-A	Contact Plate Assembly	1	Ⓝ
13	RMQ398A-A	Plunger Assembly	1	Ⓝ
14	RMQ399A-A	Spring, Plunger	1	Ⓝ
15	RMQ400A-A	Cam, Ratchet	1	Ⓝ
16	XSH17-6	Screw, Head M'tg	1	
17	RJH9A	Head, Playback	1	Ⓝ
18	RMQ401A-A	Connector Socket, Head	1	Ⓝ
19	RMQ241A-A	Bracket Assembly, Head	1	
20	XNG17A	Nut, Head M'tg	1	
21	RMQ403A-A	Spring, Head Adjustment	2	Ⓝ
22	RMQ389A-A	Link, Head Adjustment	2	
23	RMQ404A-A	Bracket Assembly, Link	1	Ⓝ
24	RMQ405A-A	Shaft, Cam	1	Ⓝ
25	RMQ223A-A	Rivet, Motor Switch M'tg	1	
26	RMQ224A-A	Motor Switch	1	
27	RMQ406A-A	Upper Bracket	1	Ⓝ
28	RMQ407A-A	Tape Guide	1	Ⓝ
29	RMQ408A-A	Bracket, Lamp	1	Ⓝ
30	RMQ275A-A	Contact Switch	1	
31	RMQ409A-A	Slide Lever	1	Ⓝ
32	RMQ410A-A	Rivet, Slide Lever & Eject Lever Spring M'tg	3	Ⓝ
33	RMQ233A-A	Eject Lever Assembly	1	
34	RMQ230A-A	Spring, Eject Lever	1	
35	XWE4	Washer	1	
36	RMQ411A-A	Nut, Cam Shaft M'tg	1	Ⓝ

* Resistors and capacitors, refer to replacement parts list of model RF-7100.

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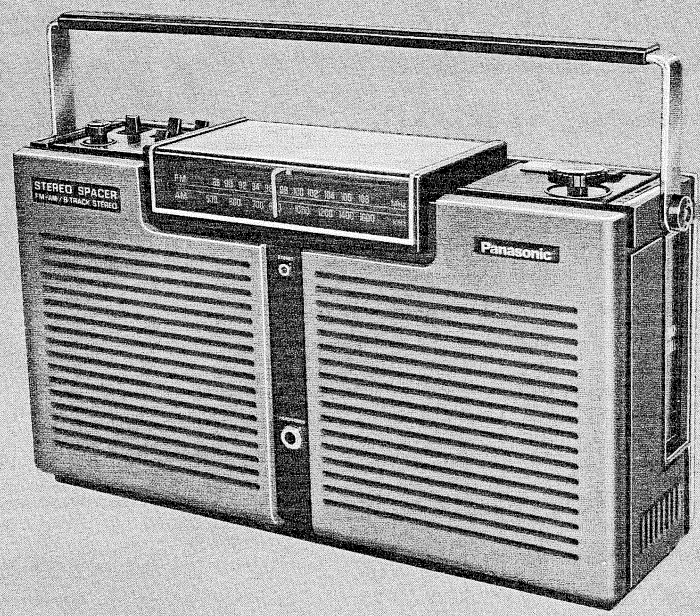

8 TRACK FM/AM/FM STEREO PORTABLE RADIO

MODEL RF-7100

■ SPECIFICATIONS

Frequency Range:	FM 87.5~108 MHz AM 525~1605 kHz
Intermediate Frequency:	FM 10.7 MHz AM 455 kHz
Sensitivity:	FM 1.5μV for 50 mW Output AM 50μV/m for 50 mW Output
Power Output:	1.2W×2 Maximum
Power Source:	AC 120V 60 Hz or 9V (Six "D" Size Flashlight Batteries) (Panasonic UM-1 or equivalent)
Power Consumption:	15W at 120 V (AC Only)
Speakers:	Two 4" PM dynamic speaker
Dimensions:	$12\frac{15}{16}$"(Wide)×$7\frac{3}{16}$"(High)× $3\frac{15}{16}$"(Deep)
Weight:	9 lb. 4 oz. with batteries
Impedance:	Speaker .....8Ω Headphone Jack 8Ω

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■ TO REMOVE CHASSIS

1. Remove tuning and volume control knobs.
2. Remove four (4) cabinet cover screws, nos. 1～4, as illustrated in fig. 1.
3. Remove cabinet back cover.
4. Pull out whip antenna plug.
5. Remove two (2) cabinet front cover screws, nos. 6 & 7, as illustrated in fig. 6.
6. Push ribs in the direction of arrows, as illustrated in fig. 1 and remove cabinet front cover as illustrated in fig. 2.
7. Pull out stereo light, headphone jack sockets.
8. Remove two (2) red dial panel ornament screws, nos. 2 & 3, as illustrated in fig. 3.
9. Remove dial panel ornament by pull out in the direction of arrow, as illustrated in fig. 4.
10. Remove dial panel.
11. Remove dial pointer by pull out in the direction of arrow, as illustrated in fig. 5.
12. Remove six (6) red chassis screws, nos, 1, 4 & 7～10, as illustrated in fig. 3.
13. Pull out whip antenna socket and connecting socket (5 pin).
14. To reassemble, reverse the above procedure.

■ TO REMOVE PCB
(AF Circuit Board)

1. Remove three (3) red PCB screws, nos. 2～4, as illustrated in fig. 6.
2. Pull out five (5) connecting sockets.
3. To reassemble, reverse the above procedure.

■ TO REMOVE PCB
(Power Source Circuit Board)

1. Remove PCB by pushing rib in the direction of arrow, as illustrated in fig. 6.
2. To reassemble, reverse the above procedure.

■ TO REMOVE TAPE DECK

1. Remove cabinet front and back cover.
(Refer to chassis removal instructions.)
2. Remove two (2) tape deck screws, nos. 5 & 6, as illustrated in fig. 3.
3. Remove two (2) tape deck screws, nos. 1 & 5, as illustrated in fig. 6.
4. Pull out two (2) connecting sockets (3 pin).
5. To reassemble, reverse the above procedure.

■ TO REMOVE EXT POWER SOURCE JACK

1. Remove EXT power source jack by pushing ribs in the direction of arrows, as illustrated in fig. 6.
2. To reassemble, reverse the above procedure.

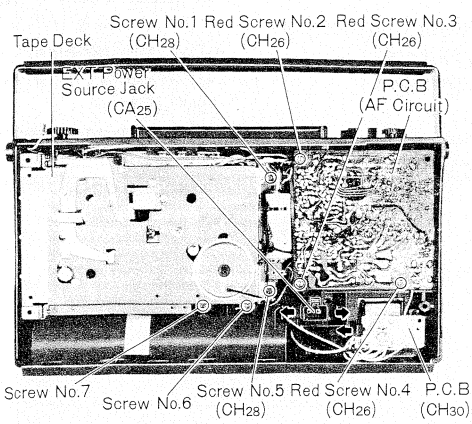


Fig. 6

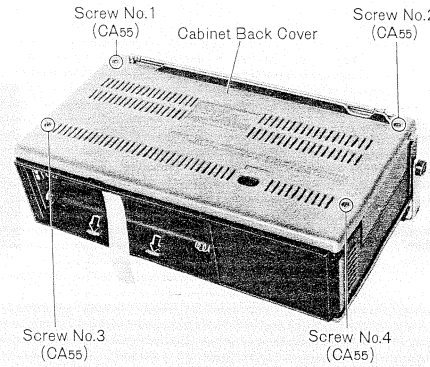


Fig. 1

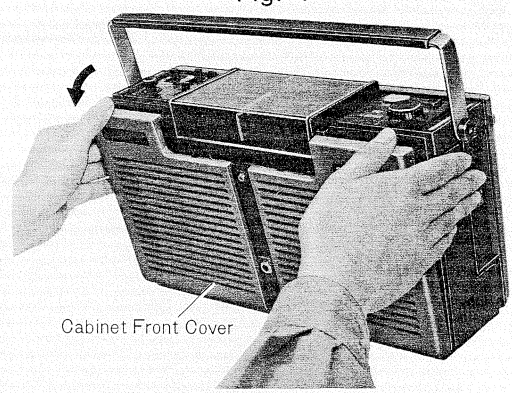


Fig. 2

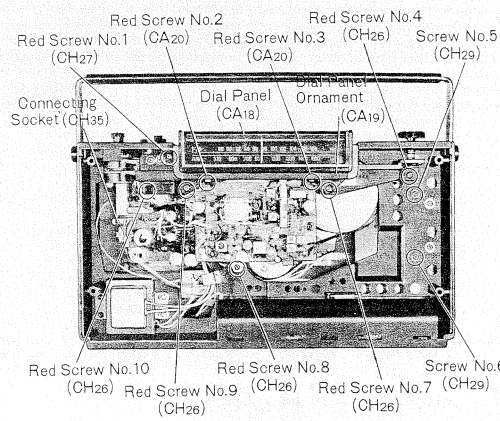


Fig. 3

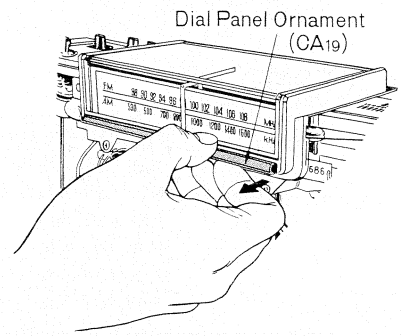


Fig. 4

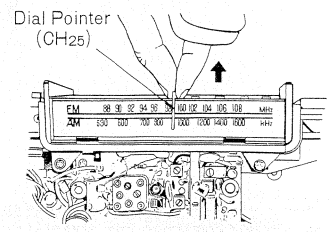


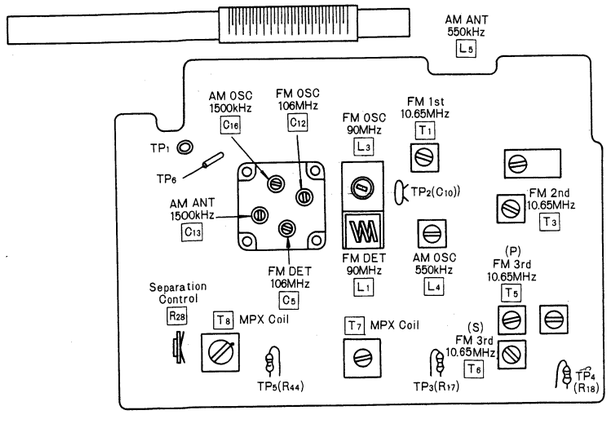
Fig. 5

■ ALIGNMENT INSTRUCTIONS

READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

Notes:
1. Set volume control to maximum.
2. Set tone switch to HIGH.
3. Set mode switch to MONO.
4. Set band selector switch to AM or FM.
5. Set power source voltage to 9 volts DC.
6. Set selector switch to RADIO.
7. Output of signal generator should be no higher than necessary to obtain an output reading.

	SIGNAL GENERATOR or SWEEP GENERATOR		RADIO DIAL SETTING (DISTANCE)	INDICATOR (VTVM or SCOPE)	ADJUSTMENT	REMARKS
	CONNECTIONS	FREQUENCY				
	AM ALIGNMENT					
(1)	Fashion loop of several turns of wire and radiate signal into loop of receiver.	550 kHz	550 kHz ($\frac{11}{32}$'')	Output meter across voice coil.	L_4 (OSC Coil) (*1)L_5 (ANT Coil)	Adjust for maximum output. Adjust L_5 by moving coil bobbin along ferrite core.
(2)	〃	1500 kHz	1500 kHz ($3\frac{5}{16}$'')	〃	C_{16} (OSC Trimmer) C_{13} (ANT Trimmer)	Adjust for maximum output. Repeat steps (1) and (2).
	(*1) Cement antenna bobbin with wax after completing alignment.					
	FM-IF ALIGNMENT					
(3)	High side thru. 0.001μF to point **TP2**, Common to point **TP6**.	10.65 MHz (400 kHz SWP.)	Point of non-interference. (on/about 90 MHz).	Connect vert. amp. of scope to point **TP3**.	T_1 (FM 1st IFT) T_3 (FM 2nd IFT) T_5 (FM 3rd IFT) (Primary)	Adjust for maximum amplitude and proper linearity between ±100 kHz markers. (Refer to fig. 7)
(4)	〃	〃	〃	Connect vert. amp. of scope to point **TP3**.	T_6 (FM 3rd IFT) (Secondary)	Adjust **T6** so that 10.7 MHz marker appears at the center. (Refer to fig. 8)
	FM-RF ALIGNMENT					
(5)	Connect to point **TP1** through FM dummy antenna. Common to point **TP6**. (Refer to fig. 9)	90 MHz	90 MHz ($\frac{19}{32}$'')	Output meter across voice coil.	L_3 (FM OSC Coil) L_1 (FM DET Coil)	(*2)Adjust for maximum output.
(6)	〃	106 MHz	106 MHz ($3\frac{3}{32}$'')	〃	C_{12} (FM OSC Trimmer) C_5 (FM DET Trimmer)	(*2)Adjust for maximum output. Repeat steps (5) and (6).
	(*2) Three output responses will be present; proper tuning is the center frequency.					



Alignment Points

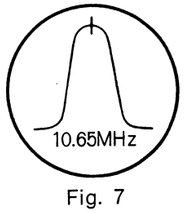


Fig. 7

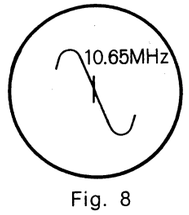


Fig. 8

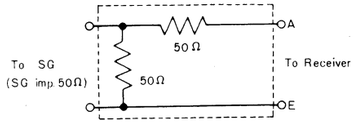


Fig. 9 FM Dummy Antenna

EQUIPMENT REQUIRED

* Stereo Modulator.....Connect Stereo Modulator output to EXT. Mod. terminal of signal generator.
* Signal Generator.....Modulation Rate of 19 kHz Pilot Signal.....10%.
  Modulation Rate by L+R Signal.....27% (Alignment Step 3)
  Output Level.....60 dB
  Frequency.....Approximately 98 MHz
* Oscilloscope
* VTVM
* Dummy Antenna
* Low Pass Filter

Note: When aligning, set R_{28} as illustrated in figure below.

R_{28} 50kΩ

CONTROL SETTING & PROCEDURE

1. Set selector switch to RADIO.
2. Set band selector switch to FM
3. Set tone switch to HIGH.
4. Set mode switch to STEREO.
5. Set power source voltage to 9 volts DC.
6. Set tuning gang to approximately 98 MHz.
7. Set volume control to audible level of speaker sound.

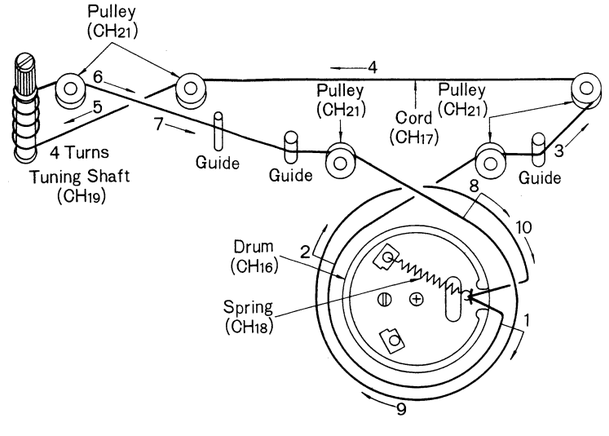
	EQUIPMENT CONNECTIONS			ADJUSTMENT	REMARKS
	SIGNAL GENERATOR	VTVM	OSCILLOSCOPE		
	PILOT CIRCUIT ALIGNMENT				
(1)	Connect to test point **TP1** through dummy antenna. Common to point **TP6**.	—	Connect vert. amp. of scope to point **TP5**.	T_7 (MPX Coil)	Adjust T_7 for maximum oscilloscope pattern of 19 kHz.
(2)	〃	Connect across speaker voice coil of left.	Connect to terminals of VTVM.	T_8 (MPX Coil)	Adjust T_8 for the maximum. indication on VTVM from the left side output when the left side of Stereo modulator is modulated.
	SEPARATION ALIGNMENT				
(3)	〃	〃	〃	R_{28} (Separation Control)	Adjust R_{28} for the minimum indication on VTVM from the left side output when the right side of Stereo modulator is modulated.

■ DIAL CORD INSTALLATION GUIDE

1. Remove chassis from cabinet.
   (Refer to chassis removal instructions.)
2. Dial cord length is $43\frac{5}{16}$''.
3. Set tuning gang to minimum capacity.
4. Arrows (1~10) indicate correct order and direction of dial cord installation.
5. Cement dial cord ends.

■ TO MOUNT DIAL POINTER

1. Set tuning gang to maximum capacity.
2. Set pointer guide to start point of plastic chassis.
3. Attach dial cord to pointer guide.
4. Attach dial pointer to pointer guide.



Schematic Diagram – Model RF-7100

TR1 2SC921 FM RF AMP	Va EVY320D1R2J3 STABILIZER	TR2 2SC1359 FM CONV & AM OSC	D2 0A90 FM AGC	TR3 2SC829 FM IF AMP & AM MIX	IC AN253 FM-AM IF AMP	D4 0A90 AM DET & AGC	D5,6 2-0A90 FM DET

TR4 2SC828 DISTRIBUTOR	TR5 2SA666 38kHz AMP	TR6 2SC828 EYE SWITCHING	TR7 2SC828 L-R AMP	TR8, TR9 2SC900 EQ AMP	TR10,11 2SC828 PRE AMP	TR12,13 2SC828 MATRIX AMP

D7 1S1211 AOC	D8,9 2-0A90 DOUBLER	D10,11 2-0A90 L-R DET		

TR18 2SC828 REGULATOR

TR16,17 2SC828 2nd AF AMP

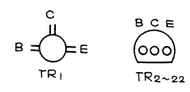
TR19, TR22 2SD336 POWER AMP

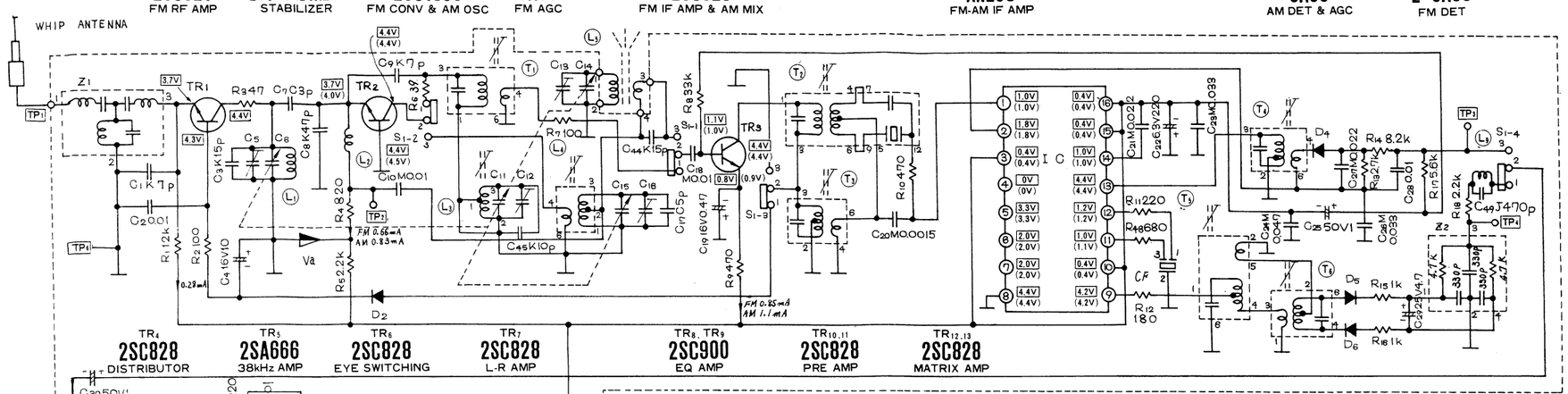
TR20,21 2SA707 POWER AMP

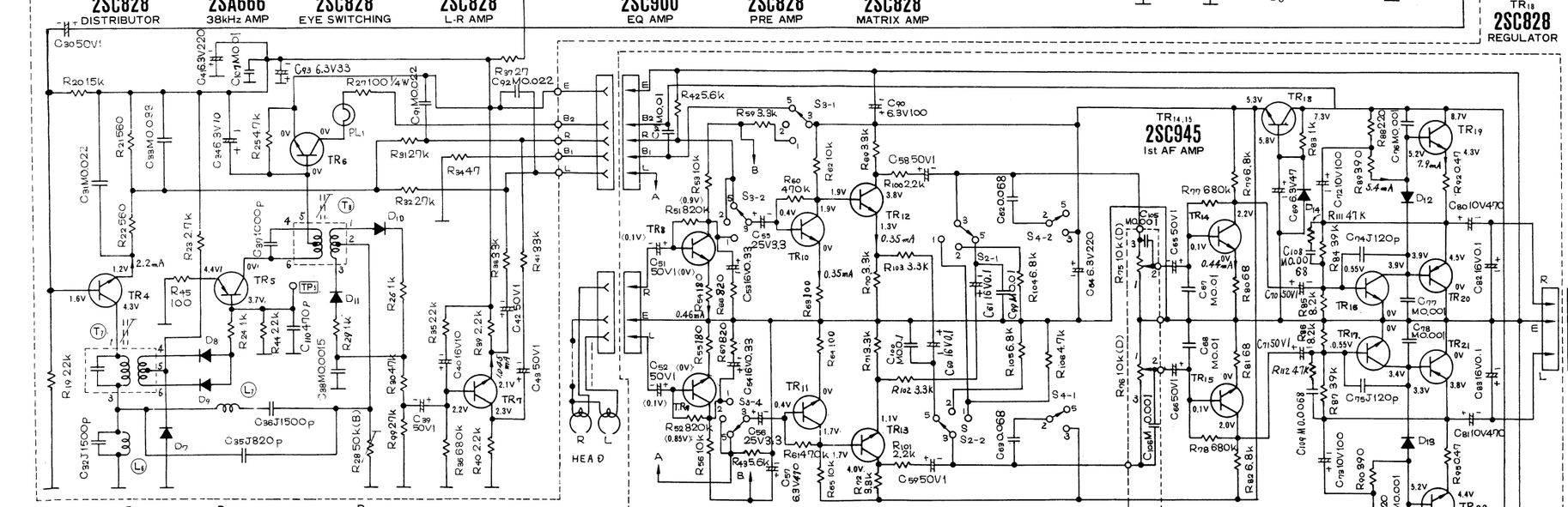
TR14,15 2SC945 1st AF AMP

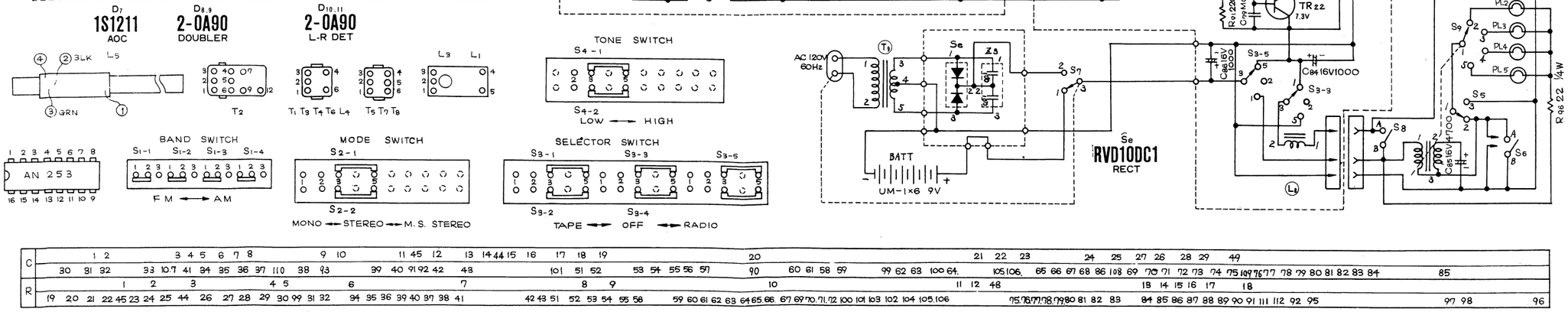
D12,13 RVDVD1210L AOC

D14 RVDEQA0106S REGULATOR









| | | | | | | |

Circuit Board Wiring View – Model RF-7100

TR1	FM
C	4.4V
B	4.3V
E	3.7V
Ie	0.28mA

TR2	FM	AM
C	4.4V	4.4V
B	4.4V	4.5V
E	3.7V	4.0V
Ie	0.66mA	0.83mA

TR3	FM	AM
C	4.4V	4.4V
B	1.1V	1.0V
E	0.8V	0.9V
Ie	0.85mA	1.1mA

TR4	
C	4.3V
B	1.6V
E	1.2V
Ie	2.2mA

TR5	
C	0V
B	3.7V
E	4.4V

TR6	
C	0V
B	0V
E	0V

TR8	TAPE
C	0.9V
B	0.1V
E	0V
Ie	0.46mA

TR9	TAPE
C	0.85V
B	0.1V
E	0V
Ie	0.46mA

TR10	
C	1.9V
B	0.4V
E	0V
Ie	0.35mA

TR11	
C	1.7V
B	0.4V
E	0V
Ie	0.35mA

TR12	
C	3.8V
B	1.9V
E	1.3V
Ie	0.35mA

TR13	
C	4.0V
B	4.6V
E	1.1V
Ie	0.35mA

TR14	
C	2.2V
B	0.1V
E	0V
Ie	0.44mA

TR15	
C	2.0V
B	0.1V
E	0V
Ie	0.44mA

TR16	
C	3.9V
B	0.55V
E	0V
Ie	7.9mA

TR17	
C	3.4V
B	0.55V
E	0V
Ie	7.9mA

IC	FM	AM
1	1.0V	1.0V
2	1.8V	1.8V
3	0.4V	0.4V
4	0V	0V
5	3.3V	3.3V
6	2.0V	2.0V
7	2.0V	2.0V
8	4.4V	4.4V
9	4.2V	4.2V
10	0.4V	0.4V
11	1.0V	1.1V
12	1.2V	1.2V
13	4.4V	4.4V
14	1.0V	1.0V
15	0.4V	0.4V
16	0.4V	0.4V

TR7	
C	2.3V
B	2.2V
E	2.1V
Ie	1.045mA

TR18	
C	7.3V
B	5.8V
E	5.3V
Ic	5.4mA

TR19	
C	8.7V
B	5.2V
E	4.3V
Ie	7.9mA

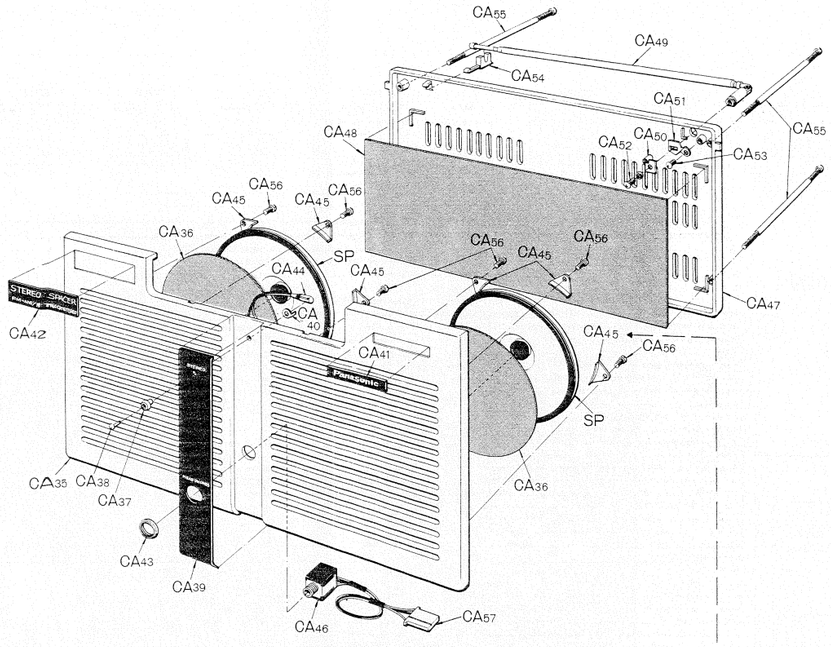
TR20	
C	0V
B	3.9V
E	4.5V
Ie	7.9mA

TR21	
C	0V
B	3.3V
E	3.8V
Ie	7.9mA

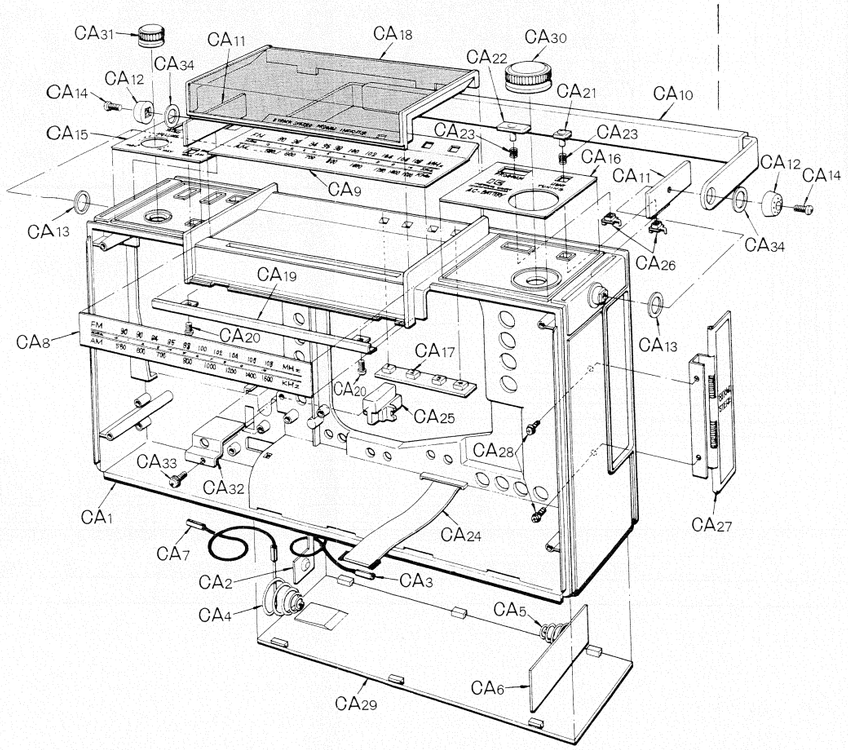
TR22	
C	7.3V
B	5.2V
E	4.4V
Ie	7.9mA

IC, TR & D	TR3 D4 D5 IC TR2 D2 D6 D7 TR4 D8 D9 TR1 D10 D11 TR5 TR6 TR7 TR12 TR10 TR8 TR14 TR9 D12 TR13 TR20 TR16 TR11 TR17 TR15 TR21 TR17 D13 TR22 TR18 D14
T & L	T9 L5 T2 T4 T3 T5 T6 T1 L2 L4 L9 L1 L3 T7 L7 L6 T8 L8

■ CABINET PARTS LOCATIONS

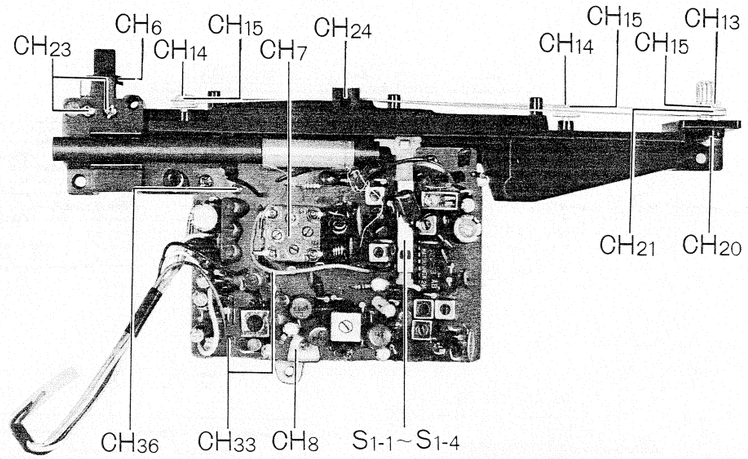


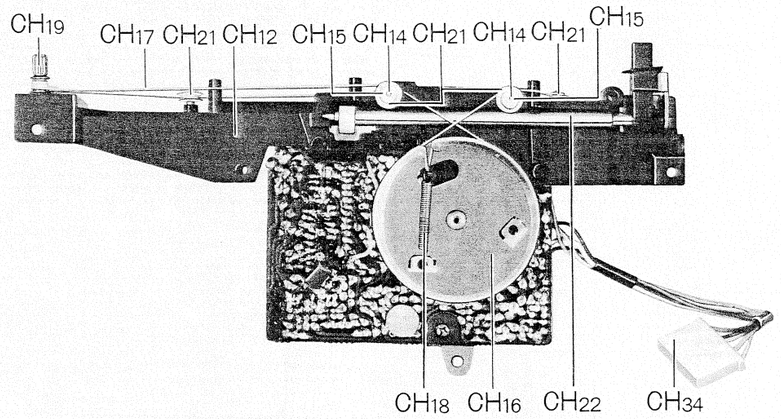
(Cabinet Front & Back Cover)

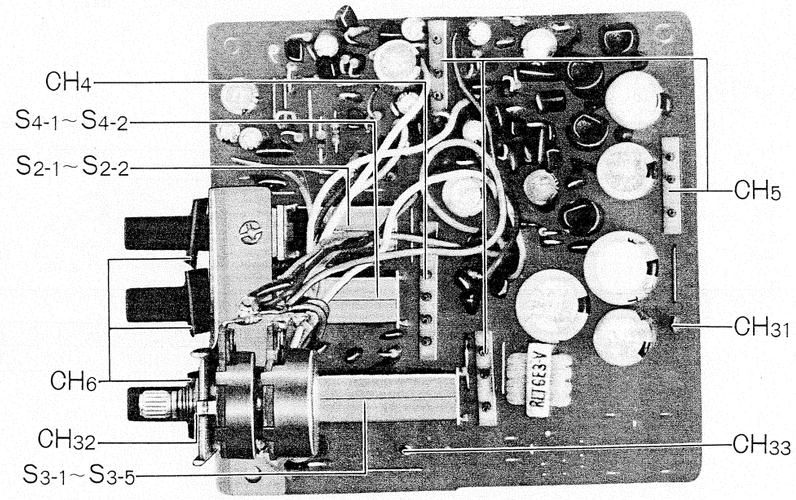


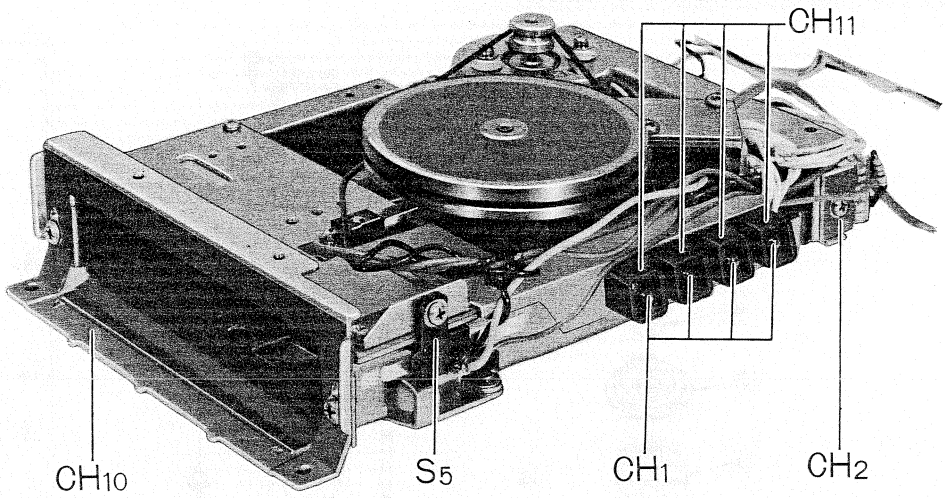
(Cabinet Body)

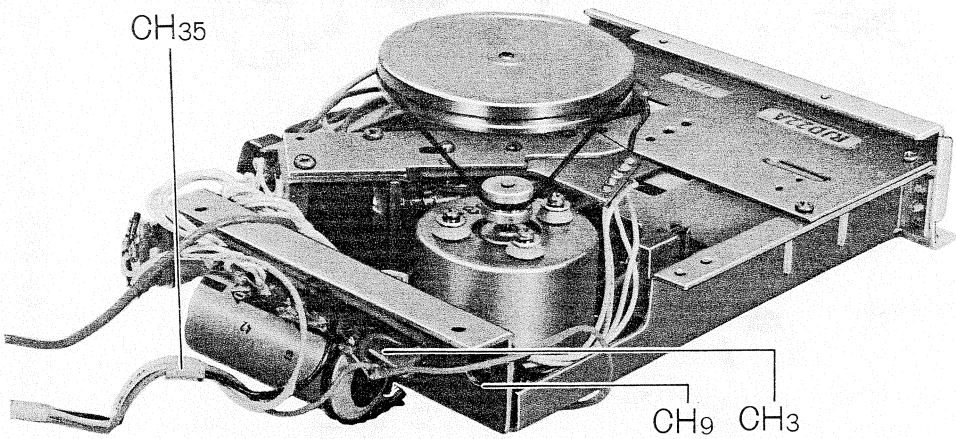
■ CHASSIS PARTS LOCATIONS



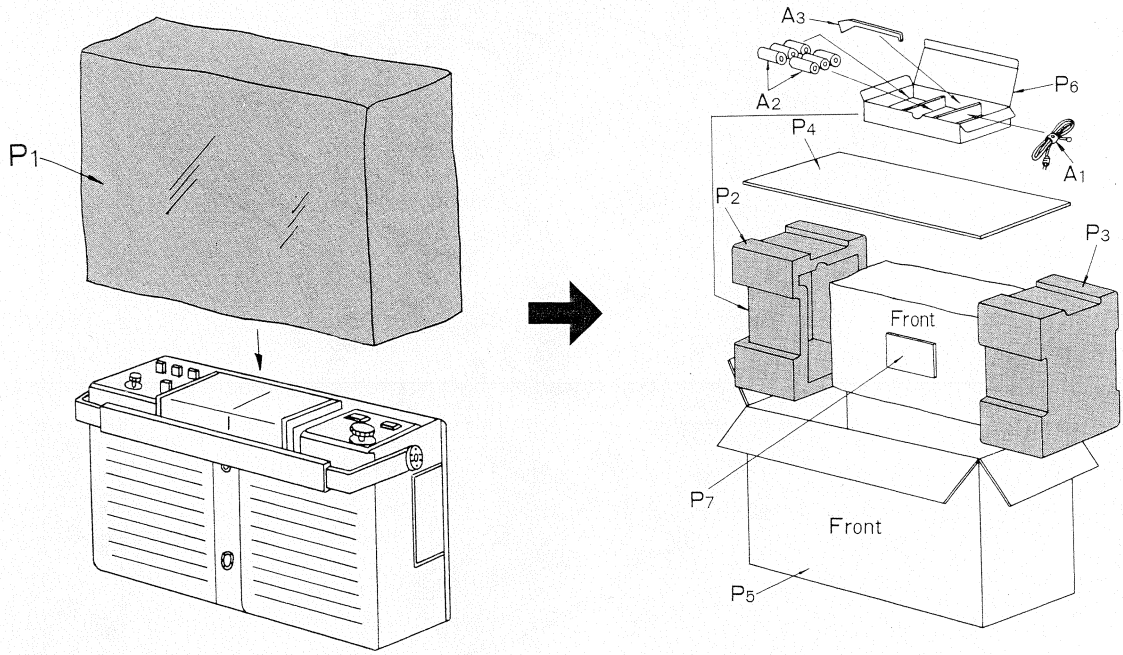




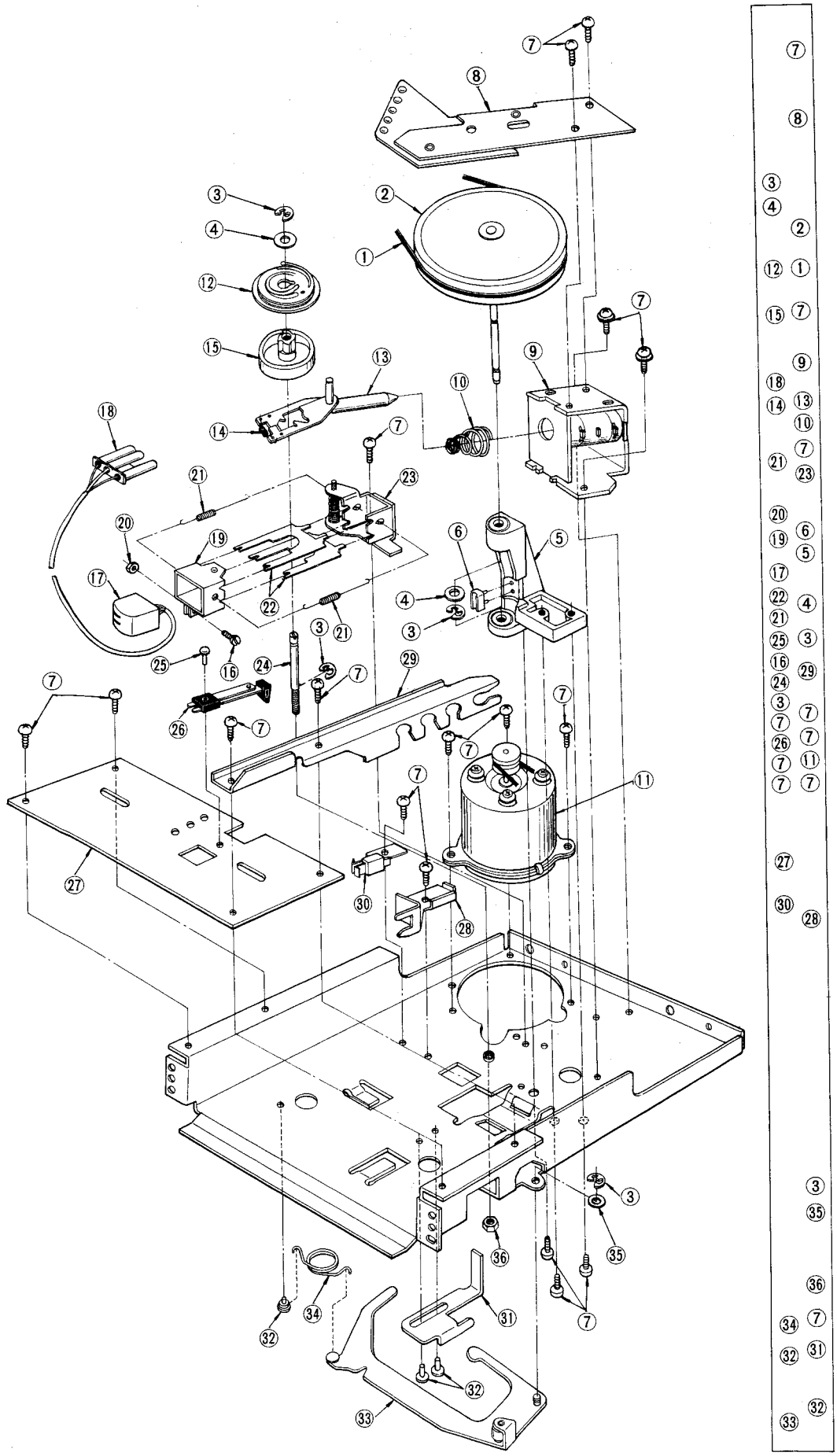




■ ACCESSORIES & PACKING PARTS LOCATIONS



■ MECHANISM PARTS LOCATIONS-TAPE DECK



■ REPLACEMENT PARTS LIST

NOTES: 1. Part numbers are indicated on most mechanical parts. Please use this part number for parts orders.
2. Ⓝ indicates the New Parts.
3. Ⓚ mark indicates 18 serrations parts.

Ref.No.	Part No.	Description	Per Set (Pcs.)	Remarks
INTEGRATED CIRCUIT, TRANSISTORS AND DIODES				
IC	AN253	FM-AM IF Amplifier	1	
TR1	2SC921	FM RF Amplifier	1	
TR2	2SC1359	FM Converter & AM Oscillator	1	
TR3	2SC829	FM IF Amplifier & AM Mixer	1	
TR4,7,18	2SC828	Distributor, L-R Amplifier, Regulator	3	
TR5	2SA666	38kHz Amplifier	1	
TR6	2SC828	Eye Switching	1	
TR8,9	2SC900	Equalizer Amplifier	2	
TR10,11	2SC945	Pre Amplifier	2	
TR12,13,16,17	2SC828	Matrix Amplifier, 2nd AF Amplifier	4	
TR14,15	2SC945	1st AF Amplifier	2	
TR19,22	2SD336	Power Amplifier	2	
TR20,21	2SA707	Power Amplifier	2	
D2,4	0A90	FM AGC, AM Detector & AGC	2	
D5,6,8,9,10,11	2-0A90	FM Detector, Doubler, L-R Detector	3 pair	
D7	1S1211	Operation Compensator	1	
D12,13	RVDVD1210L	Operation Compensator	2	
D14	RVDEQA0106S	Regulator	1	
VARIATITE AND RECTIFIER				
Va	EYV320D1R2J3	Stabilizer	1	
Se	RVD10DC1	Rectifier	1	
CERAMIC FILTER, COILS AND TRANSFORMERS				
CF	RVFCF10S12CB	Ceramic Filter	1	
L1,3	RLE56	FM Detector & Oscillator	1	Ⓝ
L2	RLQZ68G-1-Y	Choke Coil	1	
L4	RL02B90-M	AM Oscillator Coil	1	
L5	RLF2D94	AM Antenna Coil	1	
L6,7,9	RLM1X1-Y	MPX Coil	3	
L8	RLT6E3-V	Choke Transformer	1	
T1	RLI4B153-M	FM 1st IF Transformer	1	
T2	RLI7W105Q-T	AM 1st IF Transformer	1	
T3	RLI4B251	FM 2nd IF Transformer	1	
T4	RLI2B450Q-M	AM 2nd IF Transformer	1	
T5	RLI4B510	FM 3rd IF Transformer (Primary)	1	
T6	RLI4B552	FM 3rd IF Transformer (Secondary)	1	
T7	RLM1C20	MPX Coil	1	
T8	RLM1C5-K	MPX Coil	1	
T9	RLT5K79-W	Power Transformer	1	Ⓝ
VARIABLE RESISTORS				
R75,76	EVIR1AK15D14	10KΩ (D), Volume Control	1	Ⓝ Ⓚ
R28	EVLT0AA00B53	50KΩ (B), Separation Control	1	
VARIABLE CAPACITOR				
C6,11,14,15	RCV2-22124L	Tuning Gang, W/Trimmer (C5,12,13,16)	1	
COMPONENT COMBINATIONS				
Z1	RXABPF1080C	Coils & Capacitors	1	
Z2	EXA5DL04C	330PF×3, 4.7KΩ×2	1	
Z3	RXAF103P22HD	0.01μF×2	1	
SPEAKERS				
SP1,2	EAS10P05SK	4" PM Dynamic Speaker, Imp. 8Ω	2	Ⓝ
SWITCHES				
S1-1～S1-4	RSH67A-M	Band Selector Switch	1	Ⓝ
S2-1～S2-2	RST30AS-H	Mode Switch	1	Ⓝ
S3-1～S3-5	RST29AS-H	Selector Switch	1	Ⓝ
S4-1～S4-2	RST31AS-H	Tone Switch	1	Ⓝ
S5	RSH66A-H	Program Light Switch	1	Ⓝ
RESISTORS				
R27	ERD14VJ101	100Ω, ¼Watt, ±5% Carbon	1	
R103	ERD14VJ332	3.3KΩ, ¼Watt, ±5%, Carbon	1	
R111,112	ERD14VJ473	47KΩ, ¼Watt, ±5%, Carbon	2	
R96	ERD14TJ220	22Ω, ¼Watt, ±5%, Carbon	1	
R97,98	ERD14TJ221	220Ω, ¼Watt, ±5%, Carbon	2	
R2	ERD18TJ101	100Ω, ⅛Watt, ±5%, Carbon	1	
R54,55	ERD18TJ181	180Ω, ⅛Watt, ±5%, Carbon	2	
R102	ERD18TJ332	3.3KΩ, ⅛Watt, ±5%, Carbon	1	
R84,87	ERD18TJ393	39KΩ, ⅛Watt, ±5%, Carbon	2	
R24	ERD18TJ102	1KΩ, ⅛Watt, ±5%, Carbon	1	
R5,18	ERD18TJ222	2.2KΩ, ⅛Watt, ±5%, Carbon	2	
R17,43	ERD18TJ562	5.6KΩ, ⅛Watt, ±5%, Carbon	2	
R105	ERD18TJ682	6.8KΩ, ⅛Watt, ±5%, Carbon	1	
R6	ERD18VJ390	39Ω, ⅛Watt, ±5%, Carbon	1	
R37	ERD18VJ270	27Ω, ⅛Watt, ±5%, Carbon	1	
R3,34	ERD18VJ470	47Ω, ⅛Watt, ±5%, Carbon	2	
R80,81	ERD18VJ680	68Ω, ⅛Watt, ±5%, Carbon	2	
R7,45,63,64	ERD18VJ101	100Ω, ⅛Watt, ±5%, Carbon	4	
R12,	ERD18VJ181	180Ω, ⅛Watt, ±5%, Carbon	1	
R11,88,91	ERD18VJ221	220Ω, ⅛Watt, ±5%, Carbon	3	
R89,90	ERD18VJ391	390Ω, ⅛Watt, ±5%, Carbon	2	
R9,10	ERD18VJ471	470Ω, ⅛Watt, ±5%, Carbon	2	
R21,22	ERD18VJ561	560Ω, ⅛Watt, ±5%, Carbon	2	
R48	ERD18VJ681	680Ω, ⅛Watt, ±5%, Carbon	1	
R4,66,67	ERD18VJ821	820Ω, ⅛Watt, ±5%, Carbon	3	
R15,16,26,29,83	ERD18VJ102	1KΩ, ⅛Watt, ±5%, Carbon	5	
R39,40,100,101	ERD18VJ222	2.2KΩ, ⅛Watt, ±5%, Carbon	4	
R13,23	ERD18VJ272	2.7KΩ, ⅛Watt, ±5%, Carbon	2	
R59,69,70,71,72	ERD18VJ332	3.3KΩ, ⅛Watt, ±5%, Carbon	5	
R25,106	ERD18VJ472	4.7KΩ, ⅛Watt, ±5%, Carbon	2	
R42	ERD18VJ562	5.6KΩ, ⅛Watt, ±5%, Carbon	1	
R79,82,104	ERD18VJ682	6.8KΩ, ⅛Watt, ±5%, Carbon	3	
R14,85,86	ERD18VJ822	8.2KΩ, ⅛Watt, ±5%, Carbon	3	
R53,56,62,65	ERD18VJ103	10KΩ, ⅛Watt, ±5%, Carbon	4	
R1	ERD18VJ123	12KΩ, ⅛Watt, ±5%, Carbon	1	
R20	ERD18VJ153	15KΩ, ⅛Watt, ±5%, Carbon	1	
R19,35,44	ERD18VJ223	22KΩ, ⅛Watt, ±5%, Carbon	3	
R31,32,99	ERD18VJ273	27KΩ, ⅛Watt, ±5%, Carbon	3	
R8,38,41	ERD18VJ333	33KΩ, ⅛Watt, ±5%, Carbon	3	
R30	ERD18VJ473	47KΩ, ⅛Watt, ±5%, Carbon	1	
R60,61	ERD18VJ474	470KΩ, ⅛Watt, ±5%, Carbon	2	
R36,77,78	ERD18VJ684	680KΩ, ⅛Watt, ±5%, Carbon	3	
R51,52	ERD18VJ824	820KΩ, ⅛Watt, ±5%, Carbon	2	
R92,95	ERM12VKR47	0.47Ω, ½Watt, ±10%, Wire	2	
CAPACITORS				
C7	ECCD1H030C	3PF, 50WV, ±0.25PF, Ceramic	1	
C17	ECCD1H050CC	5PF, 50WV, ±0.25PF, Ceramic	1	
C1,9	ECCD1H070DC	7PF, 50WV, ±0.5PF, Ceramic	2	
C45	ECCD1H100KC	10PF, 50WV, ±10%, Ceramic	1	
C3,44	ECCD1H150KC	15PF, 50WV, ±10%, Ceramic	2	
C8	ECCD1H470KC	47PF, 50WV, ±10%, Ceramic	1	
C2	ECKE1H103PF	0.01μF, 50WV, $\pm^{100}_{0}$%, Ceramic	1	
C105,106	ECKE1H102MD	0.001μF, 50WV, ±20%, Ceramic	2	
C10,18,28,67,68,107	ECKE1H103MD	0.01μF, 50WV, ±20%, Ceramic	6	
C74,75	ECMS05121J-H	120PF, 50WV, ±5%, Styrol	2	
C49,110	ECQS1471JZ	470PF, 50WV, ±5%, Styrol	2	
C35	ECQS05821JZ	820PF, 50WV, ±5%, Styrol	1	
C37	ECQS05102KZ	1000PF, 50WV, ±10%, Styrol	1	
C32,36	ECQS05152JZ	1500PF, 50WV, ±5%, Styrol	2	
C76,77,78,79	ECQG05102MZ-N	0.001μF, 50WV, ±20%, Polyester	4	
C20,38	ECQG05152MZ-N	0.0015μF, 50WV, ±20%, Polyester	2	
C108,109	ECQG05682MZ-N	0.0068μF, 50WV, ±20%, Polyester	2	
C99,100,101	ECQG05103MZ-N	0.01μF, 50WV, ±20%, Polyester	3	
C21,27,31,91,92	ECQG05223MZ-N	0.022μF, 50WV, ±20%, Polyester	5	
C23,26,33	ECQG05333MZ-N	0.033μF, 50WV, ±20%, Polyester	3	
C24	ECQG05473MZ-N	0.047μF, 50WV, ±20%, Polyester	1	
C62,63	ECQG05683MZ-N	0.068μF, 50WV, ±20%, Polyester	2	
C93	ECEA6V33	33μF, 6.3WV, Electrolytic	1	
C69	ECEA6V47	47μF, 6.3WV, Electrolytic	1	
C90	ECEA6V100	100μF, 6.3WV, Electrolytic	1	
C22,41,64	ECEA6V220	220μF, 6.3WV, Electrolytic	3	
C57	ECEA6V470	470μF, 6.3WV, Electrolytic	1	
C72,73	ECEA10V100	100μF, 10WV, Electrolytic	2	
C80,81	ECEA10V470	470μF, 10WV, Electrolytic	2	
C4,34,40	ECEA16V10	10μF, 16WV, Electrolytic	3	
C84,86	ECEA16V1000	1000μF, 16WV, Electrolytic	2	
C55,56	ECEA25V3R3	3.3μF, 25WV, Electrolytic	2	
C29	ECEA25V4R7	4.7μF, 25WV, Electrolytic	1	
C25,30,39 42,43,51,52,58,59,65,66,70,71	ECEA50V1	1μF, 50WV, Electrolytic	13	
C85	ECEB16V4700	4700μF, 16WV, Electrolytic	1	Ⓝ
C60,61,82,83	ECAG16ER1-Y	0.1μF, 16WV, Electrolytic	4	
C53,54	ECAG16ER33-Y	0.33μF, 16WV, Electrolytic	2	
C19,	ECAG16ER47-Y	0.47μF, 16WV, Electrolytic	1	

Ref.No.	Part No.	Description	Per Set (Pcs.)	Remarks
		CABINET		
CA1	RKM9082A	Cabinet Body Only	1	Ⓝ
CA2	RJC111A	Terminal, Battery ⊕ Side	1	Ⓝ
CA3	RJS61A-X	Connecting Socket (Battery ⊕ Side, EXT. Power Source Jack, Stereo Light)	4	Ⓝ
CA4	RJC505A	Spring (Large), Battery ⊖ Side	1	Ⓝ
CA5	RJC506A	Spring (Small), Battery ⊖ Side	1	Ⓝ
CA6	RJC112A	Terminal, Battery ⊕⊖ Side	1	Ⓝ
CA7	RJS17A-X	Connecting Socket (Battery (Large), ⊖ Side, Terminal (RJT352C))	2	
	RJP44	Connecting Plug (Terminal, Whip Antenna,)	1	
CA8	RKD247A	Scale (Small), Dial	1	Ⓝ
CA9	RKD248A	Scale (Large), Dial	1	Ⓝ
CA10	RKH58A	Handle	1	Ⓝ
CA11	RKT63AS	Bracket, Handle	2	Ⓝ
CA12	RKT67A	Plastic Fitting, Handle	2	Ⓝ
CA13	RNW1020	Washer (Nylon), Handle M'tg	2	
CA14	XSB3+14BZS	Screw, Handle M'tg	2	Ⓝ
CA15	RGK415A	Indicating Plate (SELECTOR, MODE, TONE etc. Mark)	1	Ⓝ
CA16	RGK416A	Indicating Plate (IC, AC-BATTERY etc. Mark)	1	Ⓝ
CA17	RGL26A	Panel Light, Program Indicator	1	Ⓝ
CA18	RGP225A	Panel, Dial	1	Ⓝ
CA19	RGX479AS	Ornament, Dial Panel	1	Ⓝ
CA20	XSN3D8RS	Screw, Ornament (RGX479AS) M'tg	2	
CA21	RBC53A	Button, Light	1	Ⓝ
CA22	RBC54A	Button, Program	1	Ⓝ
CA23	RUS154A	Spring, Button	2	Ⓝ
CA24	RHS12A	Tape, Battery	1	Ⓝ
CA25	RJJ29C-H	Jack, EXT. Power Source	1	
CA26	RHR949A	Lever, Button	2	Ⓝ
CA27	RBH7A	Cover, Cassette Tape	1	Ⓝ
CA28	XTW3D8L	Screw, Cassette Tape Cover M'tg	2	
CA29	RKK70A	Cover, Battery Compartment	1	Ⓝ
CA30	RBN210AK	Knob, Tuning	1	Ⓝ
CA31	RBN211AK	Knob, Volume	1	Ⓝ
CA32	RUV287A	Cover, PT Lead Wire	1	Ⓝ
CA33	XTW3D10E	Screw, PT Lead Wire Cover M'tg	1	
CA34	RNW1020A	Washer (Nylon), Handle M'tg	2	Ⓝ
	RYF1F7100M	Cabinet Front Cover Assembly	1	Ⓝ
CA35	RKF177AS	Cabinet Front Cover Only (Not Available Order RYF1F7100M)	(1)	
CA36	RGS32A	Baffle, Speaker (Not Available Order RYF1F7100M)	(2)	
CA37	RGX141A	Ornament, Stereo Light	1	
CA38	SGL25	Panel Light, Stereo	1	
CA39	RGX467A	Ornament, HEADPHONE, STEREO Mark	1	Ⓝ
CA40	RHE7007C	Bracket, Panel Light	1	
CA41	RGB125A	Badge, Panasonic Mark	1	
CA42	RGK425A	Indicating Plate, STEREO SPACER Mark	1	Ⓝ
CA43	SNE439	Nut, Headphone Jack M'tg	1	
CA44	XAMR28K300	Stereo Light, 7.5V 75mA	1	
CA45	RMS12A	Bracket, Speaker	6	
CA46	RJJ79-2	Jack, Headphone	1	Ⓝ
	RYF2F7100M	Cabinet Back Cover Assembly	1	Ⓝ
CA47	RKF9010A	Cabinet Back Cover Only (Not Available Order RYF2F7100M)	(1)	
CA48	RHS386A	Baffle (Not Available Order RYF2F7100M)	(1)	
CA49	XEARCR252DAS	Whip Antenna	1	
CA50	RJS60A	Terminal, Whip Antenna	1	Ⓝ
CA51	RMA100A	Bracket (Metal), Whip Antenna	1	Ⓝ
CA52	XYN3DC6S	Screw, Whip Antenna M'tg	1	
CA53	XTN3D8B	Screw, Bracket (RMA100A) M'tg	1	
CA54	RMA5046A	Bracket (Plastic), Whip Antenna	1	Ⓝ
CA55	XSB3+90UWS	Screw, Cabinet Cover M'tg	4	Ⓝ
CA56	XTN3D10B	Screw, Speaker Bracket M'tg	6	
CA57	RJS63A-U	Connecting Socket (3 Pin)	1	Ⓝ
	XYN3DC8RS	Screw, Cabinet front Cover M'tg	2	
	XNT3	Washer, Cabinet front Cover M'tg	2	
		CHASSIS		
CH1	XAMR36K300	Program Indicator Light, 7.5V 75mA	4	Ⓝ
CH2	RJR1B	Lead Holder (2 Terminal)	1	
CH3	RJR602-1	Lead Holder (7 Terminal)	1	
CH4	SJT315	Connecting Pin (5 Pin)	1	
CH5	SJT321	Connecting Pin (3 Pin) (Headphone Jack, Tape Deck)	3	
CH6	RUV283A	Cover, Selector, Mode, Tone, Band Switch	4	Ⓝ
CH7	RMC208A	Shield Cover Tuning Gang	1	Ⓝ
CH8	RUC66AS	Bracket, Chassis	1	Ⓝ
CH9	RUL237A	Bracket, Tape Deck (Left Side)	1	Ⓝ
CH10	RUL238A	Bracket, Tape Deck (Right Side)	1	Ⓝ
CH11	RHG204A	Rubber, Program Indicator M'tg	1	Ⓝ
	RXEF7100M	Plastic Chassis Assembly	1	Ⓝ
CH12	RUA164A	Plastic Chassis Only (Not Available Order RXEF7100M)	(1)	
CH13	RDY15B	Shaft, Pulley (Not Available Order RXEF7100M)	(1)	
CH14	RDY17A	Shaft, Pulley (Not Available Order RXEF7100M)	(4)	
CH15	RNW150-2	Washer, Pulley M'tg	5	
CH16	RDD604A	Drum, Dial	1	Ⓝ
CH17	RDZ05B	Cord, Dial (500m)	1 Roll	Ⓝ
CH18	RDS4172A	Spring, Dial Drum	1	Ⓝ
CH19	RDT9050AK	Shaft, Tuning	1	❹
CH20	XUCR5FY	E Ring, Tuning Shaft M'tg	1	
CH21	RDR20	Pulley, Dial	5	
CH22	RUB9009A	Lever, Band Selector	1	Ⓝ
CH23	XYN3DF8S	Screw, Band Selector Lever M'tg	2	
CH24	RDA47A	Guide, Dial Pointer	1	Ⓝ
CH25	RDP647A	Pointer, Dial	1	Ⓝ
CH26	XTN3D10BR	Red Screw, P.C.B & Chassis M'tg	8	
CH27	XTN3D25BR	Red Screw, Chassis M'tg	1	
CH28	XTN3D10B	Screw, Tape Deck M'tg	2	
CH29	XTW3D8L	Screw, Tape Deck M'tg	2	
CH30	RUP393A	P.C.B Power Source Section	1	Ⓝ
CH31	RJT352C	Terminal (Battery (Large), ⊖ Side, P.C.B (RUP365A))	2	
CH32	XWV8	Washer, Volume Control M'tg	1	
	XYN26DC5	Screw, Tuning Gang M'tg	2	
CH33	RJP44C	Connecting Plug (EXT. Power Source Jack, Stereo Light, P.C.B (RUP393A))	4	
	RUV217A	Cover, Volume Control	1	
CH34	RJS62A-U	Connecting Socket (5 Pin)	1	Ⓝ
CH35	RJS64A-U	Connecting Socket (3 Pin)	1	Ⓝ
CH36	RJP44	Connecting Plug (Whip Antenna)	1	
		ACCESSORIES		
A1	RJA22A	AC Cord, EXT. Power Source	1	
A2	UM1DE (P)	Battery	6	
A3	QFQ1025	Head Cleaner	1	
		PACKING		
P1	RPH193A	Soft Cover	1	Ⓝ
	RPN9105A	Pad (Complete)	1	Ⓝ
P2	RPN1458A	Pad, Left Side (Not Available Order RPN9105A)	(1)	
P3	RPN1459A	Pad, Right Side (Not Available Order RPN9105A)	(1)	
P4	RPN1460A	Pad	2	Ⓝ
P5	RPG1071A	Packing Case	1	Ⓝ
P6	RPE150A	Accessory Box	1	Ⓝ
P7	RQX5566A	Instruction Book (English)	1	Ⓝ
		TAPE DECK		
	RJD22A	Tape Deck Assembly	1	Ⓝ
1	RMQ392A-A	Belt, Motor	1	Ⓝ
2	RMQ393A-A	Flywheel Assembly	1	Ⓝ
3	XUC3FW	E Ring,	4	
4	RMQ394A-A	Washer, Contact Plate M'tg	2	Ⓝ
5	RMQ395A-A	Housing Capstan Assembly	1	Ⓝ
6	RMQ220A-A	Block, Tape	1	
7	XSN3D6S	Screw,	17	
8	RMQ396A-A	Printed Circuit Board, Channel Indicator	1	Ⓝ
9	RMQ397A-A	Solenoid Assembly	1	Ⓝ
10	RMQ214A-A	Spring, Solenoid	1	
11	RJQ10A	Motor	1	Ⓝ
12	RMQ412A-A	Contact Plate Assembly	1	Ⓝ
13	RMQ398A-A	Plunger Assembly	1	Ⓝ
14	RMQ399A-A	Spring, Plunger	1	Ⓝ
15	RMQ400A-A	Cam, Ratchet	1	Ⓝ
16	XSH17-6	Screw, Head M'tg	1	
17	RJH9A	Head, Playback	1	Ⓝ
18	RMQ401A-A	Connector Socket, Head	1	Ⓝ
19	RMQ241A-A	Bracket Assembly, Head	1	
20	XNG17A	Nut, Head M'tg	1	
21	RMQ403A-A	Spring, Head Adjustment	2	Ⓝ
22	RMQ389A-A	Link, Head Adjustment	2	
23	RMQ404A-A	Bracket Assembly, Link	1	Ⓝ
24	RMQ405A-A	Shaft, Cam	1	Ⓝ
25	RMQ223A-A	Rivet, Motor Switch M'tg	1	
26	RMQ224A-A	Motor Switch	1	
27	RMQ406A-A	Upper Bracket	1	Ⓝ
28	RMQ407A-A	Tape Guide	1	Ⓝ
29	RMQ408A-A	Bracket, Lamp	1	Ⓝ
30	RMQ275A-A	Contact Switch	1	
31	RMQ409A-A	Slide Lever	1	Ⓝ
32	RMQ410A-A	Rivet, Slide Lever & Eject Lever Spring M'tg	3	Ⓝ
33	RMQ233A-A	Eject Lever Assembly	1	
34	RMQ230A-A	Spring, Eject Lever	1	
35	XWE4	Washer	1	
36	RMQ411A-A	Nut, Cam Shaft M'tg	1	Ⓝ

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